



18410

Docket No. 89589.113000

HUA  
D. Butler  
6-7-01

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

Applicant : A. Tanju Erdem )  
Serial No. : 09/689,565 )  
Filed : October 12, 2000 )  
For : METHOD FOR TRACKING MOTION )  
OF A FACE )

) Examiner  
) Unknown  
)  
) Art Unit  
) 2623  
)

RECEIVED  
MAY 16 2001  
Technology Center 2600

## PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231  
BOX: NON-FEE AMENDMENT

Dear Sir:

Preliminary to the examination of the subject application, please amend the specification and claims as follows:

## IN THE SPECIFICATION

In the Background, on page 1, line 21, add the following:

A1 - - There are known techniques for using markers to track objects such as selected facial features including eyebrows, ears, mouth and corners of the eyes. - -

## IN THE CLAIMS

Cancel claims 1-10.

A2 11.(amended) A method for tracking motion of a face comprising the steps of:

determining the calibration parameter of a camera;

marking salient features of an object with markers for motion tracking;

acquiring a plurality of initial 2-D images of the object;

calculating 3-D locations of the salient features of the object in accordance with the calibration parameter of the camera;

receiving a chronologically ordered sequence of 2-D images of the object;